

### ABSTRACT OF THE DISCLOSURE

A method of operating an internal combustion engine in which fuel is combusted during a working stroke in at least one combustion chamber includes determining by a pressure sensor a gas pressure acting in the combustion chamber during the working stroke, monitoring a plausibility of a measuring variable obtained from a signal of the pressure sensor, determining, of a plurality of actual operational variables of the internal combustion engine which are not based on the signal of the pressure sensor, a reference variable corresponding to the measuring variable, comparing the measuring variable with the reference variable, and by this comparison checking the plausibility of the signal of the pressure sensor and the measuring variable obtained from it; and also a computer program, an electrical storage medium, and a control and/or regulating device for carrying out the method are provided.